DESIGNER NOTES

ROOF LIVE LOADS	35 psf AND DRIFTING PROVISIONS
GROUND SNOW LOAD	50 psf
EXPOSURE FACTOR	1.0
FLOOR LIVE LOAD	
GUEST ROOMS AND ADJACENT CORRIDORS	40 psf
FIRST FLOOR CORRIDORS	100 psf
PUBLIC ASSMBLY ROOMS AND ADJACENT CORRIDORS	100 psf
WIND LOAD DATA	
BASIC WIND SPEED	90 mph
EXPOSURE CATEGORY	C
IMPORTANCE FACTOR (CATEGORY II)	1.0
BASIC WIND PRESSURE	23 psf
DESIGN WIND PRESSURE	
STUD WALLS & STUD FRAMED SOFFITS	32 psf
ARCHITECTURAL PRECAST	32 psf
SEISMIC ZONE	0
FOUNDATION DESIGN CRITERIA	
FOOTING DEPTH BELOW GRADE FOR UNHEATED SOIL, ALL SIDES	60 inches
FOOTING DEPTH BELOW GRADE, ADJACENT HEATED SLAB	42 inches
INTERIOR FOOTING DEPTH	BELOW SLAB
ALLOWABLE SOIL PRESSURE	4,000 psf
MODULES OF SUBGRADE REACTION (k)	150 psi per inch

STRUCTURAL MATERIALS

CONCRETE	fc = 3,500 psi
FOOTINGS	
PIERS	
SLABS ON GRADE	
TOPPING SLABS	
REINFORCING STEEL ASTM A615 GR 60	Fy = 60,000 psi
CONCRETE	
MASONRY	
STRUCTURAL STEEL ASTM A36	Fy = 36,000 psi
BEAMS	
PLATES	
BRACING	
STRUCTURAL STEEL ASTM A500 Gr.B	Fy = 46,000 psi
TS COLUMNS	
ALL BOLTS 3/4" DIA. A325 UNLESS NOTED OTHERWISE	
MASONRY DESIGN STRENGTH	f'm = 1,350 psi

I hereby certify this drawing was prepared by me or under my direct supervision and that I am a duly registered architect under the laws of the State of Minnesota.

For: Mead & Hunt
By: [signature]
Title: Project Manager
Registration No: 22452

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Revisions

Symbol	Descriptions	Date	Approved

Architect: ARCHITECTURAL ALLIANCE MINNEAPOLIS, MINNESOTA	Engineer: MEAD & HUNT MADISON, WISCONSIN	U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA

Designed by: JMM
Drawn by: ASH/ACT
Checked by: TLK
Reviewed by:
Submitted by:

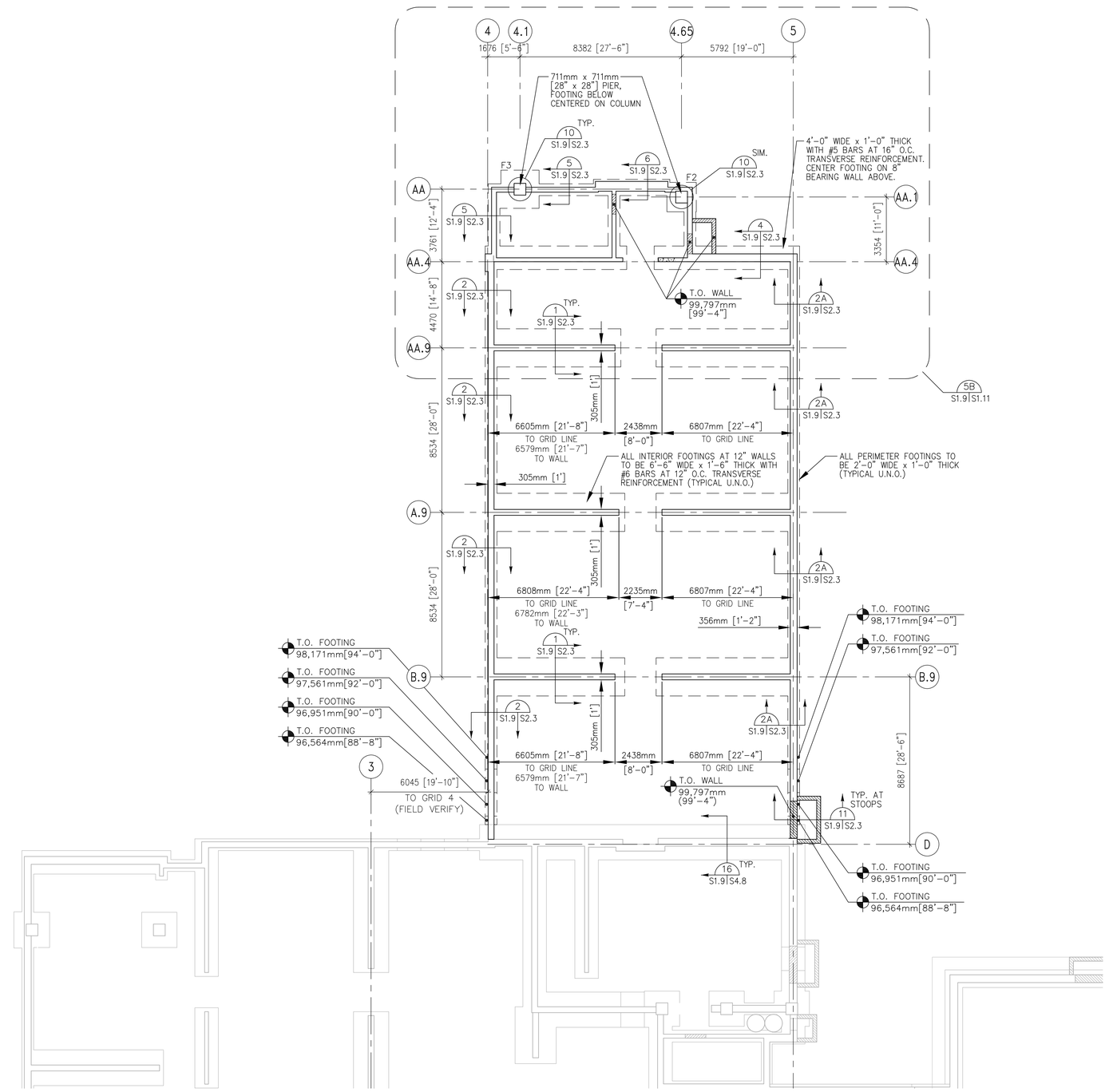
MINNEAPOLIS-ST.PAUL AFR — MINNESOTA

CONSOLIDATED LODGING FACILITY
- PHASE FOUR -

DESIGNER NOTES

Plot Scale Ratio:
Design File:10058S002.DWG
Date: DECEMBER 2003
Spec. No.: W9128F-04-B-0002
Contract No.: W9128F-04-C-XXXX
Drawing Code: AF 721-315-04
Sheet reference number: S0.2

QJKL-990011P4



5A FOUNDATION PLAN
1:100

FOUNDATION PLAN GENERAL NOTES:

1. ALL FOOTINGS HAVE A TOP OF FOOTING ELEVATION OF 98,781 [96'-0"] UNLESS NOTED OTHERWISE.
2. ALL FOUNDATION WALLS HAVE A TOP OF WALL ELEVATION OF 100,000 [100'-0"] UNLESS NOTED OTHERWISE.
3. ALL PIERS HAVE A TOP OF PIER ELEVATION OF 99,797 [99'-4"] UNLESS NOTED OTHERWISE.
4. ALL PIER REINFORCING TO BE TERMINATED IN FOOTINGS WITH STANDARD HOOKS AT 76 [3"] ABOVE BOTTOM OF FOOTING.
5. ALL FOUNDATION WALLS TO BE GROUTED SOLID BELOW ELEVATION 100,000 [100'-0"].
6. ALL PERIMETER FOOTINGS NOT NOTED OTHERWISE TO BE 610 [2'-0"] WIDE x 305 [1'-0"] THICK.
7. ALL INTERIOR WALLS 305 [12"] THICK UNLESS NOTED OTHERWISE.
8. PROVIDE PVC PIPE SLEEVES TO ACCOMODATE ALL PLUMBING AND MECHANICAL PENETRATIONS THROUGH FOUNDATION WALLS.
9. ALL GRID LINES REFERENCE CENTER OF BEARING WALL ABOVE OR EDGE OF FOUNDATION WALL AS SHOWN, UNLESS NOTED OTHERWISE.

FOOTING SCHEDULE

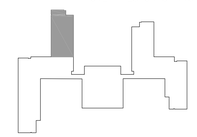
FOOTING NUMBER	FOOTING DIMENSIONS (L x W x T)	FOOTING REINFORCEMENT
F1	NOT USED	NOT USED
F2	1524 x 1524 x 406 (5'-0" x 5'-0" x 1'-4")	(5) #5 BARS EACH WAY
F3	1829 x 1829 x 457 (6'-0" x 6'-0" x 1'-6")	(8) #5 BARS EACH WAY

FOOTING SCHEDULE NOTES:

1. ALL COLUMNS TO HAVE (4) 19 [3/4"] A307 ANCHOR BOLTS. SEE DETAIL 9/S2.3
2. ALL COLUMNS TO HAVE 38 [1 1/2"] NON-SHRINK GROUT BED. SEE DETAIL 8/S2.3
3. PROVIDE DOWELS WITH STANDARD HOOKS IN FOOTING THE SAME SIZE AS PIER REINFORCEMENT.

CONCRETE REINFORCEMENT PROTECTION:

FOOTINGS:	
BOTTOM & SIDES	76 [3"]
TOP	51 [2"]
WALLS:	
EXTERIOR EXPOSURE #5 AND LARGER	51 [2"]
INTERIOR EXPOSURE #11 AND SMALLER	19 [¾"]
BEAMS/COLUMNS:	
OVER TIES OR STIRRUPS	38[1½"]



KEY PLAN

2000 1000 0 2000 4000
SCALE: 1 : 50
4000 2000 0 4000 8000
SCALE: 1 : 100

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For: Mead & Hunt
By:
Title: Project Manager
Registration No: 22452

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Revisions

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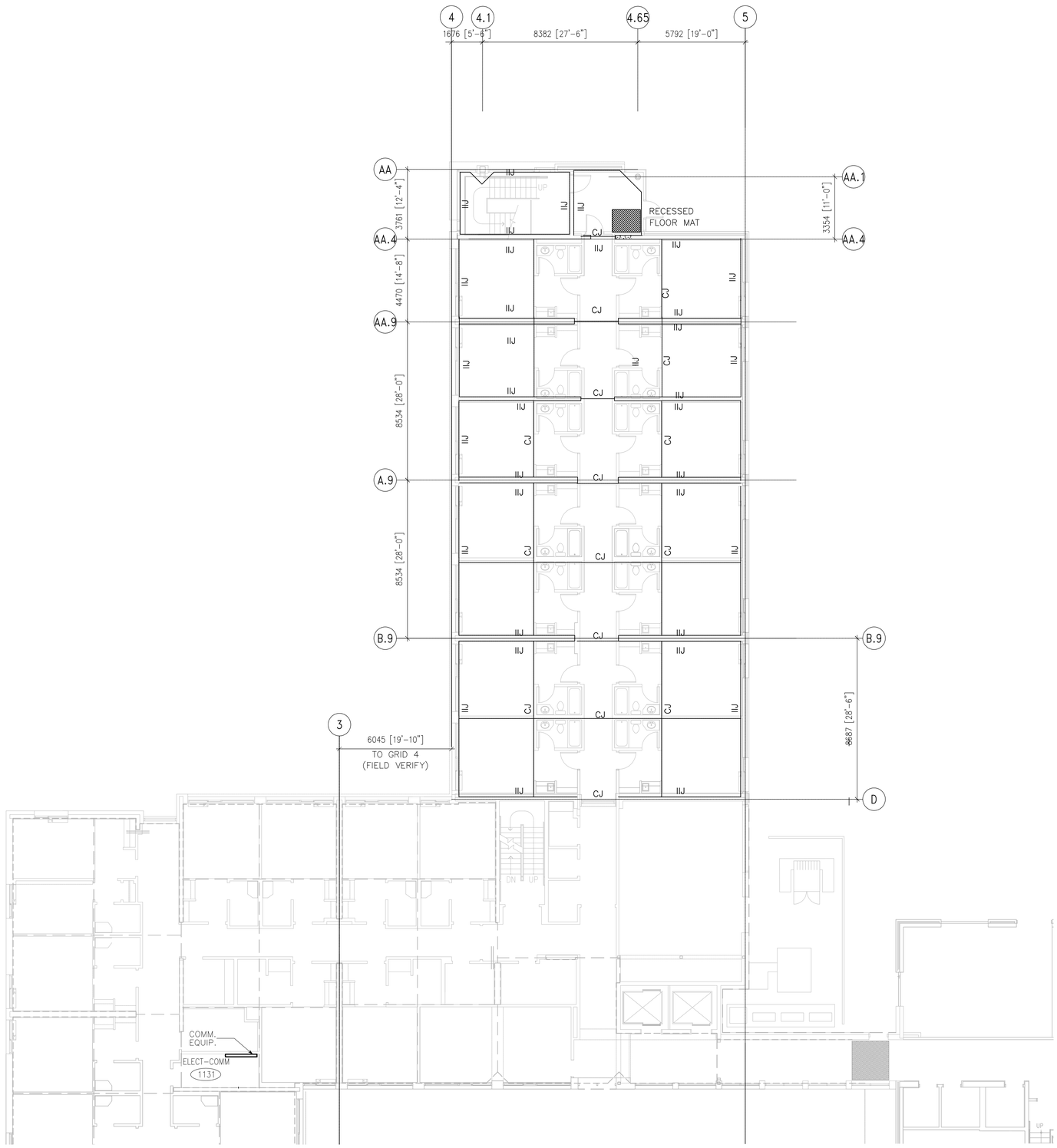
Architect:	Engineer:	
ARCHITECTURAL ALLIANCE MINNEAPOLIS, MINNESOTA	MEAD & HUNT MADISON, WISCONSIN	U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA

Designed by: JMM	MINNEAPOLIS-ST.PAUL AFR	MINNESOTA
Drawn by: ACT/MJE	CONSOLIDATED LODGING FACILITY – PHASE FOUR –	
Checked by: TLK	FOUNDATION PLAN	
Reviewed by:	Plot Scale Ratio: / Design File: 10058S109.DWG	Date: DECEMBER 2003
Submitted by:	Spec. No.: W9128F-04-B-0002 / Contract No.: W9128F-04-C-XXXX	Drawing Code: AF 721-315-04
		Sheet reference number: S1.9

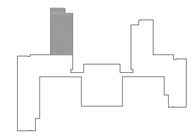
QJKL-990011P4



5A 1st FLOOR CONTROL JOINT PLAN
1:100

CONTROL JOINT PLAN ABBREVIATIONS & GENERAL NOTES

1. CONTROL JOINT ABBREVIATIONS:
   - CJ CONTRACTION JOINT
   - EIJ EXTERIOR ISOLATION JOINT
   - IIJ INTERIOR ISOLATION JOINT
2. CONSTRUCTION JOINTS CAN BE PLACED AT ANY CONTROL JOINT LOCATION SO LONG AS THE SPACING BETWEEN CONSTRUCTION JOINTS DOES NOT EXCEED 60 FEET IN ANY DIRECTION.
3. SEE SHEET S2.4 FOR CONTROL JOINT DETAILS.
4. ALL SLABS ON GRADE TO BE 4" THICK CONCRETE WITH 6x6 – W2.9 x W2.9 W.W.M. CENTERED IN SLAB OVER 6" COMPACTED CAPILLARY WATER BARRIER AND VAPOR BARRIER.
5. ALL SLABS TO HAVE TOP OF SURFACE ELEVATION OF 100,000mm (100'–0") EXCEPT THOSE REQUIRED TO BE DEPRESSED FOR FLOOR FINISHES, UNLESS NOTED OTHERWISE.
6. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT SIZE AND LOCATION OF RECESSED FLOOR MATS.



KEY PLAN

TRUE NORTH PLAN NORTH

2000 1000 0 2000 4000

SCALE: 1 : 50

4000 2000 0 4000 8000

SCALE: 1 : 100

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For: Mead & Hunt
By: Richard C. Lindahl
Title: Project Manager
Registration No: 22452

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Designed by: JMM
Drawn by: ACT/MJE
Checked by: TLK
Reviewed by:
Submitted by:

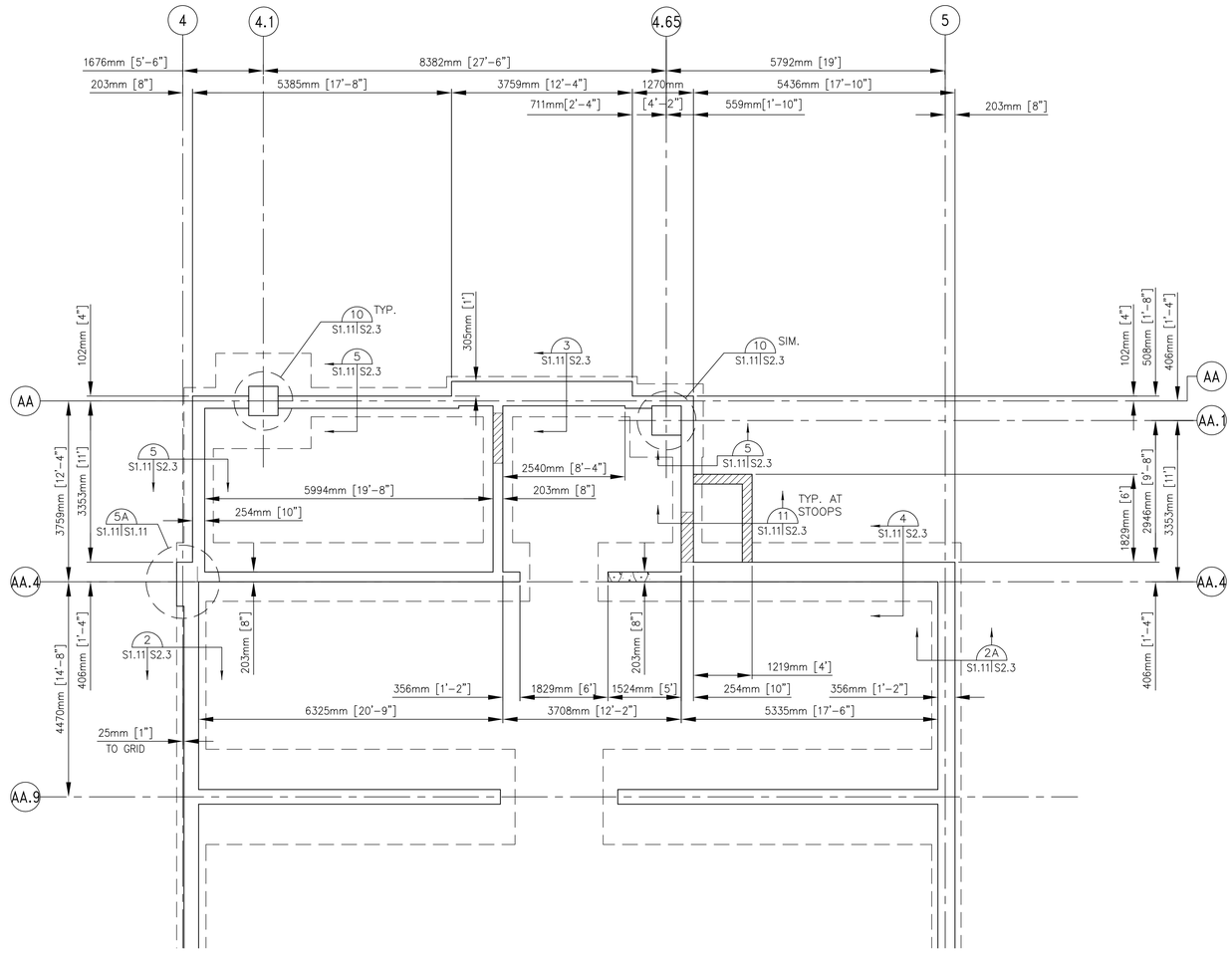
MINNEAPOLIS–ST.PAUL AFR MINNESOTA

CONSOLIDATED LODGING FACILITY
– PHASE FOUR –

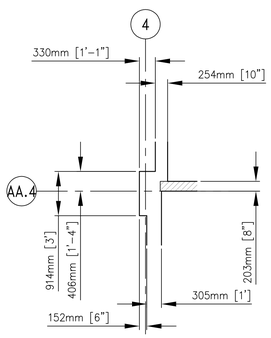
CONTROL JOINT PLANS

Plot Scale Ratio:	Date:	Sheet reference number:
Design File: 10058S110.DWG	DECEMBER 2003	
Spec. No.: W9128F-04-B-0002	Drawing Code: AF 721-315-04	S1.10
Contract No.: W9128F-04-C-XXXX		

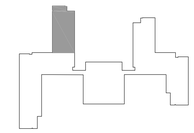
QJKL-990011P4



5B ENLARGED PARTIAL FOUNDATION PLAN – NORTH WING
1:50



5A ENLARGED PARTIAL FOUNDATION PLAN – WEST WALL
1:50



KEY PLAN

2000 1000 0 2000 4000
SCALE: 1 : 50

4000 2000 0 4000 8000
SCALE: 1 : 100

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For: Mead & Hunt
By:
Title: Project Manager
Registration No: 22452

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Designed by: JMM	MINNEAPOLIS-ST.PAUL AFR	MINNESOTA
Drawn by: ACT/MJE	CONSOLIDATED LODGING FACILITY – PHASE FOUR –	
Checked by: TLK	ENLARGED FOUNDATION PLANS	
Reviewed by:	Plot Scale Ratio:	Date: DECEMBER 2003
Submitted by:	Design File: 10058S111.DWG	Sheet reference number:
	Spec. No.: W9128F-04-B-0002	Drawing Code: AF 721-315-04
	Contract No.: W9128F-04-C-XXXX	S1.11

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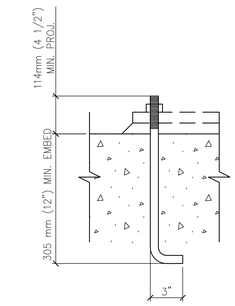
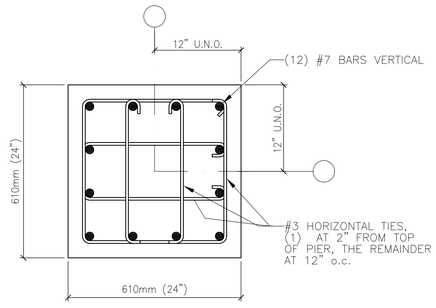
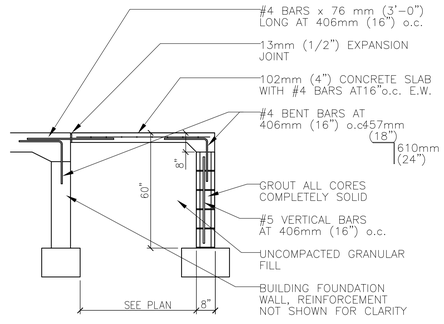


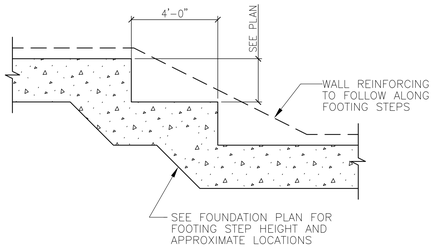
9 TYP. S2.3 — ANCHOR BOLTS — NO SCALE



10 S1.9 S2.3 S1.11 — PIER REINFORCEMENT — NO SCALE

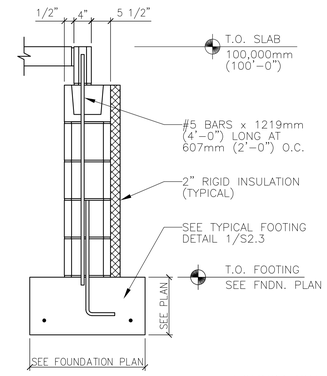


11 S1.9 S2.3 S1.11 — TYPICAL STOOP SECTION (TYPICAL FOR 3 SIDES) — NO SCALE

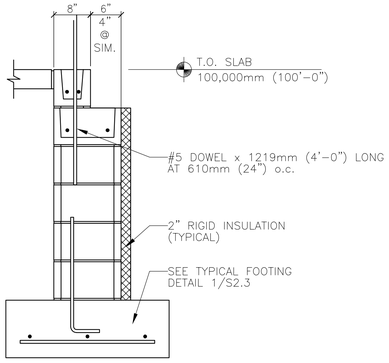


FOOTING STEP NOTES:
1. SEE FOUNDATION PLAN FOR FOOTING STEP LOCATIONS.
2. STEPPED FOOTING TO BE POURED MONOLITHICALLY.
3. MULTIPLE STEP SHOWN, SINGLE STEP SIMILAR.

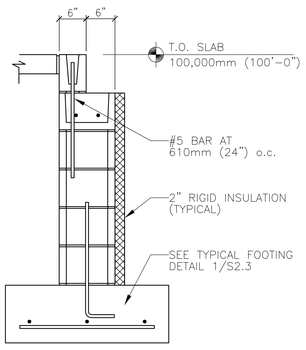
12 TYP. S2.3 — TYPICAL STEPPED FOOTING — NO SCALE



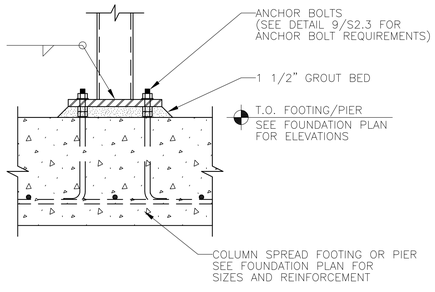
5 S1.9 S1.11 S2.3 — FOUNDATION WALL — NO SCALE



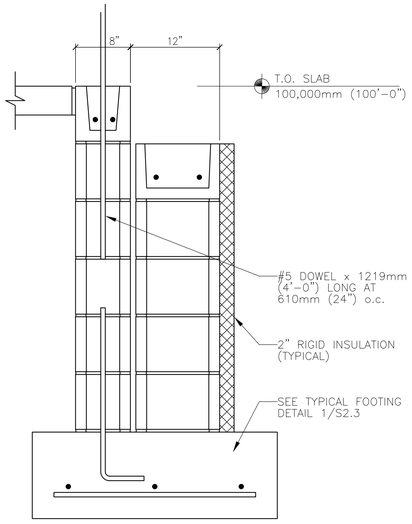
6 S1.9 S1.11 S2.3 — FOUNDATION WALL — NO SCALE



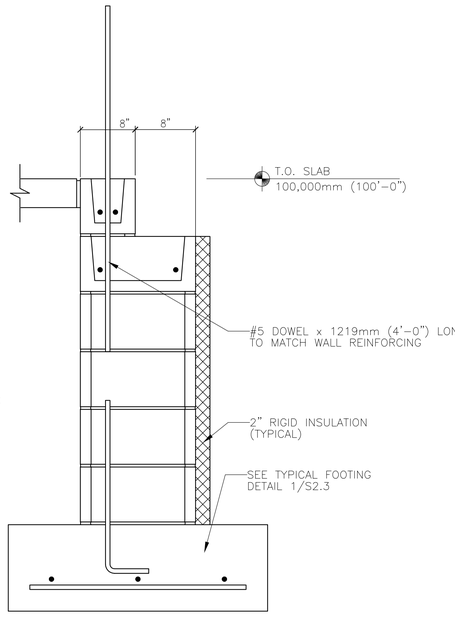
7 S2.3 — FOUNDATION WALL — NO SCALE



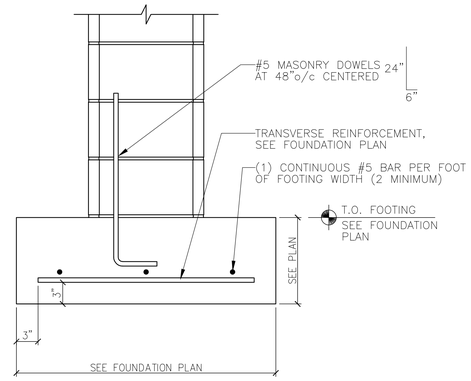
8 TYP. S2.3 — COLUMN ANCHORAGE — NO SCALE



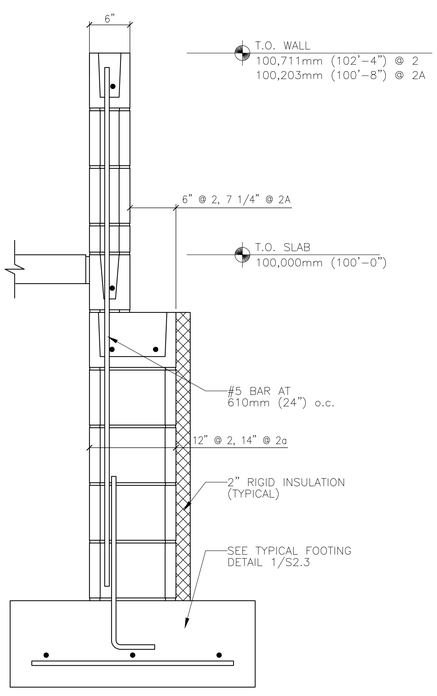
3 S1.9 S2.3 — FOUNDATION WALL — NO SCALE



4 S1.9 S1.11 S2.3 — FOUNDATION WALL — NO SCALE



1 S2.3 — TYPICAL FOOTING DETAIL — NO SCALE



2 2A S1.9 S2.3 — FOUNDATION WALL — NO SCALE

I hereby certify this drawing was prepared by me or under my direct supervision and that I am a duly registered architect under the laws of the State of Minnesota.

For: Mead & Hunt
By: Richard C. Carlstedt
Title: Project Manager
Registration No: 22452

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ARCHITECTURAL ALLIANCE MINNEAPOLIS, MINNESOTA	MEAD & HUNT MADISON, WISCONSIN	U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA

Designed by: JMM	MINNEAPOLIS-ST.PAUL AFR	MINNESOTA
Drawn by: ACT	CONSOLIDATED LODGING FACILITY - PHASE FOUR -	
Checked by: TLK	FOUNDATION DETAILS	
Reviewed by:	Plot Scale Ratio:	Date: DECEMBER 2003
Submitted by:	Design File:10058S203.DWG	Sheet reference number: S2.3
	Spec. No.: W9128F-04-B-0002	Drawing Code: AF 721-315-04
	Contract No.: W9128F-04-C-XXXX	

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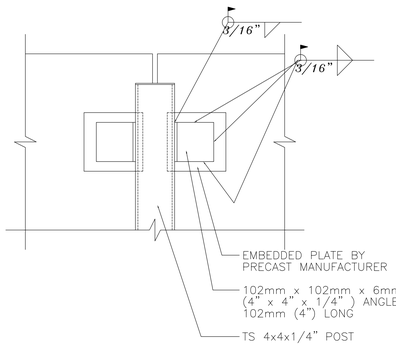
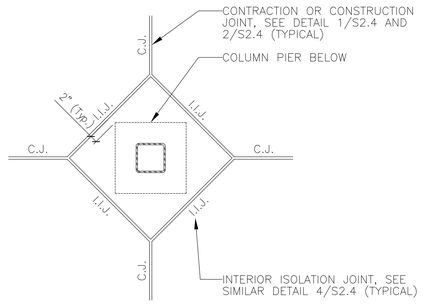


8 | S2.4 SCREEN WALL CONNECTION AT STEEL POST

NO SCALE



5 | S1.10 | S2.4 TYPICAL COLUMN ISOLATION DETAIL

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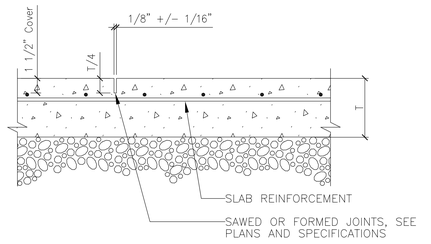
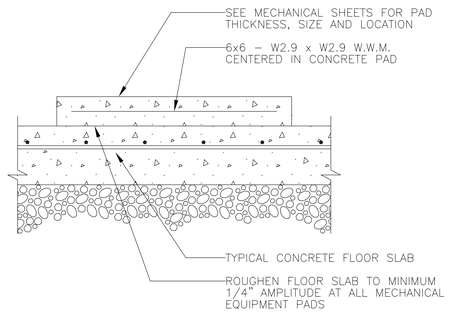


1 | S1.10 | S2.4 CONTRACTION JOINT DETAIL

NO SCALE



6 | S2.4 MECHANICAL EQUIPMENT PAD

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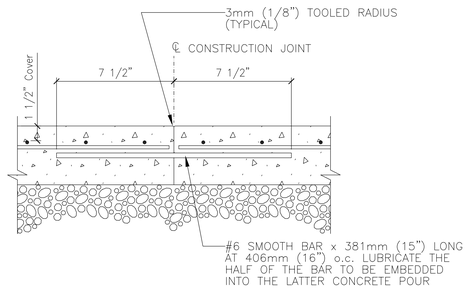

2 | S1.10 | S2.4 CONSTRUCTION JOINT DETAIL

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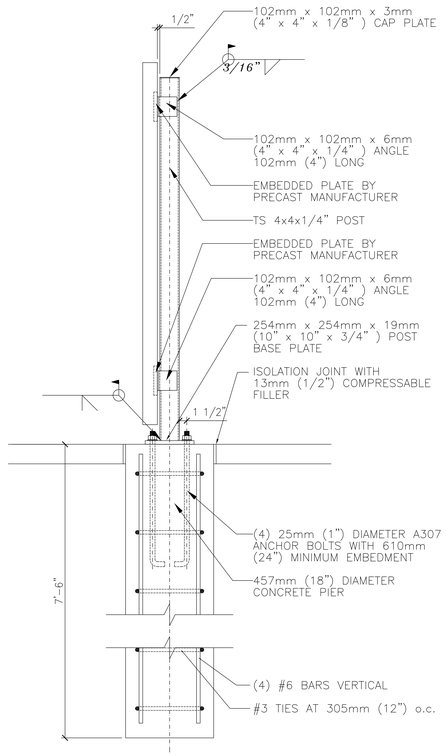
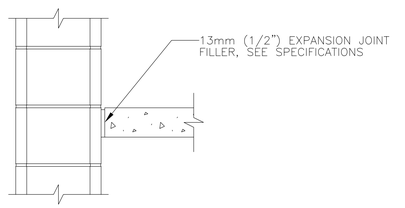


7 | A4.6 | S2.4 SCREEN WALL SECTION

NO SCALE



3 | S1.10 | S2.4 EXTERIOR ISOLATION JOINT DETAIL

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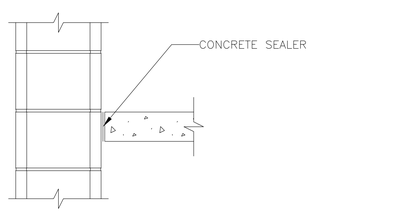

4 | S1.10 | S2.4 INTERIOR ISOLATION JOINT DETAIL

NO SCALE

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For: Mead & Hunt
By: Richard T. Lindahl
Title: Project Manager
Registration No: 22452

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Designed by: JMM
Drawn by: ACT
Checked by: TLK
Reviewed by:
Submitted by:

MINNEAPOLIS-ST.PAUL AFR — MINNESOTA

CONSOLIDATED LODGING FACILITY
– PHASE FOUR –

FOUNDATION DETAILS

Plot Scale Ratio:
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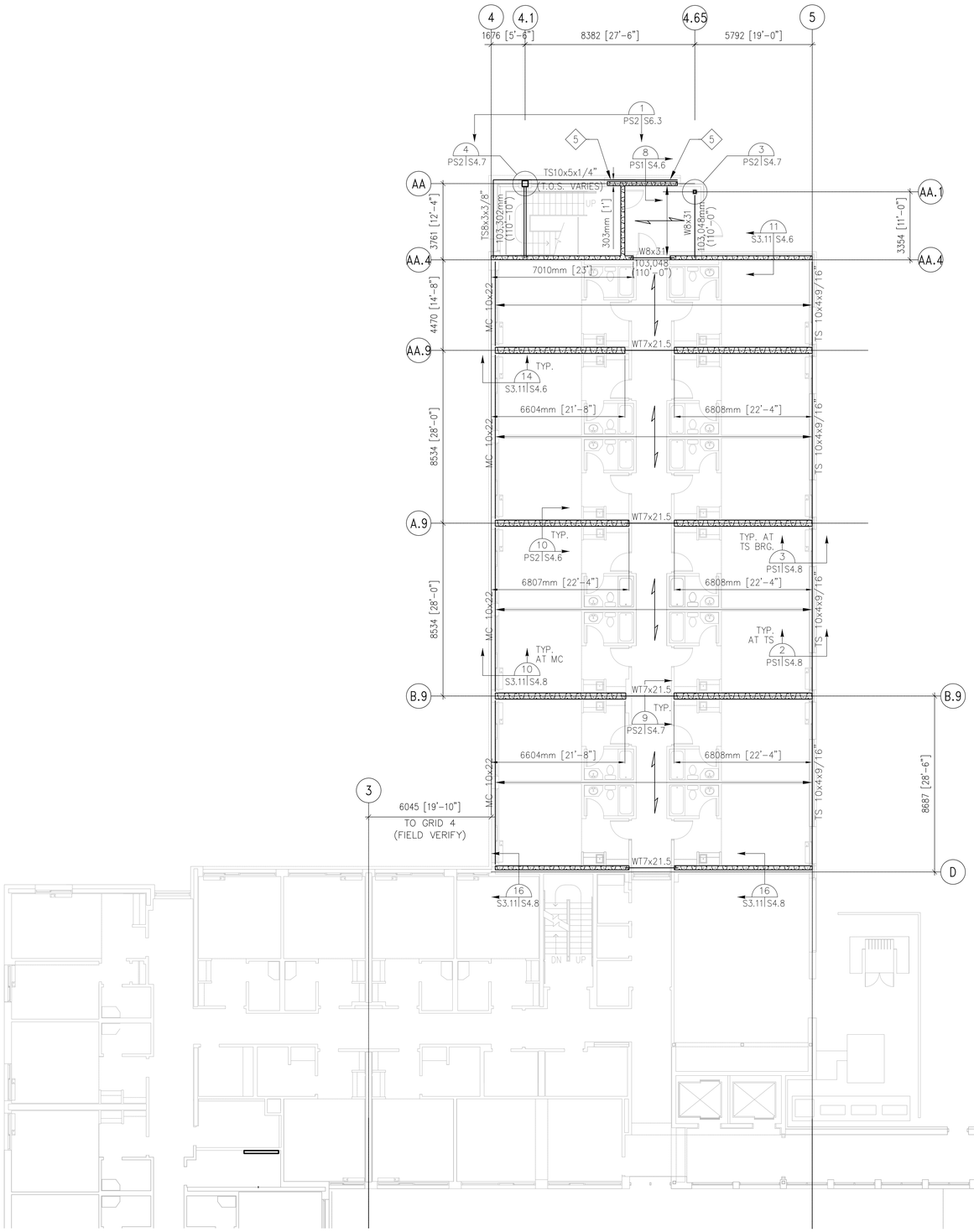
Contract No.: W9128F-04-C-XXXX

QJKL-990011P4



5A 2nd FLOOR FRAMING PLAN
1:100

FRAMING PLAN GENERAL NOTES:

1. ALL 12" CMU REINFORCED WITH #5 BARS AT 24" O.C. EACH FACE VERTICAL AND LADDER TYPE REINFORCEMENT AT 16" O.C. UNLESS NOTED OTHERWISE.
2. ALL 8" CMU REINFORCED WITH #5 BARS AT 16" O.C. EACH FACE VERTICAL AND LADDER TYPE REINFORCEMENT AT 16" O.C. UNLESS NOTED OTHERWISE.
3. ALL CMU IS 12" UNLESS NOTED OTHERWISE.
4. ALL FLOORS 8" PRECAST HOLLOW CORE PLANK WITH 2" STRUCTURAL TOPPING. ALL ROOF PRECAST IS 8" HOLLOW CORE PLANK. TOPPING TO BE REINFORCED WITH 6x6-W2.1xW2.1 W.W.M.
5. ( ) INDICATES THE SPAN DIRECTION OF THE PRECAST PLANK. PERPENDICULAR ARROW REPRESENTS EXTENT OF PLANK.
6. SUPERIMPOSED LOADS ON PRECAST FLOOR PLANK:
   TOPPING 25 PSF
   COLLATERAL 15 PSF
   LIVE LOAD 40 PSF

   SUPERIMPOSED LOADS ON PRECAST ROOF PLANK:
   DEAD LOAD 10 PSF
   SNOW 35 PSF
7. ALL ALL FLOOR PLANK TO HAVE SOLID GROUTED KEYWAYS AND ANY ADDITIONAL MECHANICAL CONNECTIONS BETWEEN PLANK REQUIRED TO MAINTAIN A MINIMUM NOMINAL SHEAR STRENGTH BETWEEN PLANK OF 1000 PLF.
8. ALL 2ND FLOOR TOP OF STEEL ELEVATIONS 103,251 (110'-8") U.N.O.
   ALL 3RD FLOOR TOP OF STEEL ELEVATIONS 106,502 (121'-4") U.N.O.
   ALL 4TH FLOOR TOP OF STEEL ELEVATIONS 109,754 (132'-0") U.N.O.
   ALL ROOF TOP OF STEEL ELEVATIONS 113,005 (142'-8") U.N.O.
9. ALL 2ND FLOOR PRECAST BEARING AT ELEVATION 103,048 (110'-0") U.N.O.
   ALL 3RD FLOOR PRECAST BEARING AT ELEVATION 106,299 (120'-8") U.N.O.
   ALL 4TH FLOOR PRECAST BEARING AT ELEVATION 109,550 (131'-4") U.N.O.
   ALL ROOF PRECAST BEARING AT ELEVATION 112,802 (142'-0") U.N.O.
10. SEE ARCHITECTURAL DRAWINGS FOR SCREEN WALL LOCATIONS, DETAILS AND BID OPION INFORMATION. SEE DETAILS 7/S2.4 AND 8/S2.4 FOR ADDITIONAL INFORMATION.
11. PROVIDE CLIP ANGLES ON THE SOUTH FACE OF THREE COLUMNS.
12. ALL BASEMENT WALLS TO BE REINFORCED WITH 16 [#5] BARS AT 610 o.c. EACH FACE.

FRAMING PLAN KEYED NOTES:

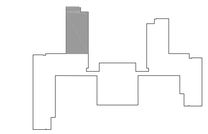
1. CMU WALL TO BE REINFORCED WITH #5 BARS AT 203 [8"] o.c. EACH FACE VERTICAL.
2. 1 1/2" 16 GAGE WIDE RIB ROOF DECK (MIN Sx = 0.41 in3/FT) TO BE CONTINUOUS OVER ALL FOUR SPANS. PROVIDE 5/8" PUDDLE WELDS AT 12" O.C. AT SUPPORTS AND (7) #10 TEK SCREWS AT SIDELAPS BETWEEN FRAMES.
3. PROVIDE 102 x 102 x 6 [4" x 4" x 1/4"] ANGLES WELDED TO COLUMN FOR PRECAST BEARING.
4. PROVIDE LINTEL PER DETAIL 9/S4.7 FOR WALL OPENINGS THAT PENETRATE BOND BEAMS AT PRECAST BEARING. TYPICAL AT ALL SUCH OPENINGS.
5. PROVIDE CONNECTION OF TS TO WALL PER DETAIL 15/S4.7.
6. SEE DETAIL 16/S4.7 FOR TS CONNECTION AT COLUMN.
7. SEE DETAIL 5/S4.8 FOR BEARING CONDITION.
8. CENTERLINE OF COLUMNS IS 102 [4"] WEST OF GRID "5".
9. SEE DETAIL 14/S4.8 FOR MECHANICAL PENATRATION OF BEAM.
10. SEE DETAIL 10/S4.9 FOR BALCONY FRAMING.
11. CENTERLINE OF COLUMN IS 7 1/2" EAST OF GRID 1.
12. (2) LINK COLUMNS ADJACENT EXISTING BUILING TO BE ANCHORED TO EXISTING PIERS W/ (4) 3/4" DIA. x 6" LONG EXPANSION ANCHOR BOLTS.

LINTEL SCHEDULE

OPENING SIZE	LINTEL SECT	LINTEL (UNLESS NOTED OTHERWISE)
≤4'-0"		203 [8"] BOND BEAM
≤7'-0"		(2) 203 [8"] BOND BEAMS
≤10'-0"	I	W8x24 WITH 279x6 [11"x1/4"] x CONTINUOUS MASONRY PLATE

LINTEL SCHEDULE NOTES:

1. PROVIDE LINTELS ABOVE ALL MASONRY OPENINGS PER THIS LINTEL SCHEDULE UNLESS NOTED OTHERWISE.
2. PROVIDE 89 x 89 x 10 [3 1/2" x 3 1/2" x 3/8"] BRICK LINTELS AT EXTERIOR MASONRY WALL OPENINGS. ANGLES TO BEAR ON A MINIMUM 203 [8"] OF BRICK ON EACH SIDE OF OPENING.
3. PROVIDE 279 x 6 [11" x 1/4"] x CONTINUOUS OR 178 x 6 [7" x 1/4"] x CONTINUOUS MASONRY PLATE AT BOTTOM OF ALL STEEL LINTELS AT 305 [12"] AND 203 [8"] MASONRY WALLS RESPECTIVELY.
4. COORDINATE WITH MECHANICAL CONTRACTOR FOR ADDITIONAL OPENING LOCATIONS AND SIZES.
5. ALL LINTELS TO HAVE A MINIMUM 203 [8"] BEARING ON SOLID GROUTED CMU.



KEY PLAN

2000 1000 0 2000 4000
SCALE: 1 : 50
4000 2000 0 4000 8000
SCALE: 1 : 100

I hereby certify this drawing was prepared by me or under my direct supervision and that I am a duly registered architect under the laws of the State of Minnesota.
For: Mead & Hunt
By:
Title: Project Manager
Registration No: 22452

ALL SCALES SHOWN ARE BASED ON A STANDARD DRAWING SIZE OF 28" X 40" OR METRIC DRAWING SIZE OF 841mm X 594mm. IF ANY OTHER SIZE DRAWINGS ARE FURNISHED OR PLOTTED THE CONTRACTOR SHALL ADJUST THE SCALES ACCORDINGLY. THE CONTRACTOR SHALL ALSO ADVISE HIS SUB-CONTRACTORS OF THE ABOVE.

Revisions

Symbol	Descriptions	Date	Approved

Architect:	Engineer:	
ARCHITECTURAL ALLIANCE MINNEAPOLIS, MINNESOTA	MEAD & HUNT MADISON, WISCONSIN	U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA

Designed by: JMM
Drawn by: ACT/MJE
Checked by: TLK
Reviewed by:
Submitted by:

MINNEAPOLIS-ST.PAUL AFR — MINNESOTA

CONSOLIDATED LODGING FACILITY
– PHASE FOUR –

2nd FLOOR FRAMING PLAN

Plot Scale Ratio:
Design File: 10058S311.DWG
Date: DECEMBER 2003
Spec. No.: W9128F-04-B-0002
Contract No.: W9128F-04-C-XXXX
Drawing Code: AF 721-315-04
Sheet reference number: S3.11

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